Evaluate the following:

1.  2.

45 7’ 6 46’

1. Find the measure of two complimentary angles with measures (5z – 20) and (4z + 30)

Z = 8.9 24.5 and 65.5

1. Find the measure of two supplementary angles with measures (2z – 30) and (4z + 90)

Z = 20 10and 170

1. Convert to decimal degrees.

1. Convert to DMS.

47 11’ 44”

**Find one positive co-terminal and one negative co-terminal**

1. 8.

495 and -225 48 and -672

**Find an angle co-terminal to the following with**

1. **10.**

**206** 8

**Find the values of the 6 trig functions in standard position given the following.**

1. **(5, -1)**

**Not possible cannot be less than -1**

**Determine what quadrant terminates given the following**

**Q IV**

**Q I, if tangent is positive and sine is positive that must mean that cosine is also positive**

**What are the values of the following trig functions quadrantal angles?**

1. **17.**

**0, 1, or -1 presuming r = 1 undefined, 1, or -1 presuming r = 1**

**0 or undefined**

1. **A propeller rotates 195 times per minute. Through how many degrees will a point on the edge of the propeller rotate in 2.6 seconds.**

**3042**

1. **A Windmill rotates 245 times per hour. Through how many degrees will a point on the edge of the mill rotate in 12 minutes.**

**17,640**